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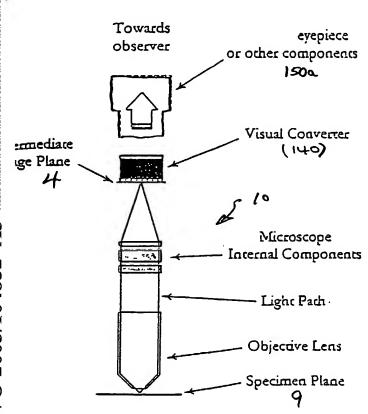
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[Continued on next page]

(54) Title: NIGHT-VISION INTENSIFIER FOR DIRECT MICROSCOPIC VISUALIZATION OF FAR-RED AND NIR FLU-OURESCENCE



(57) Abstract: Featured are methods for the direct microscopic visualization of samples (9) using a image intensifier (140) that intensifies low levels of visible light and converts far-red or near-infra-red light to visible light. Also featured are devices and systems for use in the methods of the invention.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17903

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A. CLASSIFICATION OF SUBJECT MATTER							
IPC(7) : H0IJ 40/14, 31/50 US CL : 250/214VT, 332, 339 02, 339 12, 339 14, 356/211							
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols)							
U.S. : 2	50/214VT, 332, 339.02, 339.12, 339.14; 356/303						
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NONE	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
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C. DOC	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where a	ppropriate	e, of the relevant passages	Relevant to claim No.			
X	US 3,758,778 A (BRAUNLICH) 11 September 197	3 (11 09 1	973) see entire document	1-4, 20-26			
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X	US 6,121,616 A (TRIGG) 19 September 2000 (19.0	6,121,616 A (TRIGG) 19 September 2000 (19.09.2000), see entire document.		1-4, 20-26			
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Date of the actual completion of the international search		Date of mailing of the international search report 2004					
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17903

Box I	Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. [Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
2. [Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:		
3.	\boxtimes	Claim Nos.: 5-19 and 27-36 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This In	iternati	onal Searching Authority found multiple inventions in this international application, as follows:		
1. [2. [3. [As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
4. [rk on I	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.		

INTERNATIONAL SEARCH REPORT

PCT/US03/17903

Continuation of Item 4 of the first sheet: Long Title under PCT Rule 4.3: New Title: NIGHT-VISION INTENSIFIER FOR DIRECT MICROSCOPIC VISUALIZATION OF FAR-RED AND NIR FLUOURESCENCE					
Continuation of B. FIELDS SEARCHED Item 3: USPTO EAST DATABASE search terms: microscope same intensi\$7 and ((infrared or ir) and (ultraviolet or uv))					

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